



# Search Report

**EIC 2800**

STIC Database Tracking Number: 251874

**To: ANTHONY GUTIERREZ**

**Location: JEF-6B19**

**Art Unit: 2857**

**Friday, February 22, 2008**

**Case Serial Number: 10/520011**

**From: PAUL KIM**

**Location: EIC2800**

**JEF-4B68 / JEF-4B59**

**Phone: (571)272-8949**

**paul.kim3@uspto.gov**

## Search Notes

Attached are the search histories and edited search results from the Dialog. Although I didn't find exactly what you are looking for, I recommend you browse the results.

Based on this, if you have questions or would like a refocused search, please contact me.

Respectfully,  
Paul Kim  
Technical Searcher





# STIC Search Results Feedback Form

## EIC 2800

Questions about the scope or the results of the search? **Contact the EIC searcher or contact:**

**Jeff Harrison, EIC 2800 Team Leader**  
**571-272-2511, JEF 4B68**

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 2810

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

*Types of relevant prior art found:*

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

**Comments:**

Drop off or send completed forms to STIC-EIC2800, JEF-4B68



\*\*\* It is now 2/22/2008 12:40:37 PM \*\*\*

[File 347] JAPIO Dec 1976-2007/Oct(Updated 080129)

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Ref	Items	Index-term
E1	5	AU=MUSHO MATTHEW K
E2	2	AU=MUSHU MITSUAKI
E3	0	AU=MUSIAL WALTER
E4	1	AU=MUSIANI GIANCARLO
E5	1	AU=MUSIANI LORENZO
E6	1	AU=MUSIANI MASSIMO
E7	1	AU=MUSIC ELVIS
E8	2	AU=MUSICK CHARLES DAVID
E9	1	AU=MUSIL ROY
E10	2	AU=MUSIOL GUENTER
E11	1	AU=MUSIOL LOTHAR
E12	1	AU=MUSK ROBERT WILLIAM
E13	1	AU=MUSKALLA MICHAEL
E14	1	AU=MUSKATELLO JAMES
E15	1	AU=MUSKAVITCH MARC ALAN TELANDER
E16	3	AU=MUSKETT MICHAEL JAMES
E17	1	AU=MUSLEVE RICHARD THOMAS
E18	1	AU=MUSMANN HANS-GEORG
E19	3	AU=MUSMANN LOTHAR DR
E20	1	AU=MUSOLFF CARL F
E21	1	AU=MUSOLINO ANDREE
E22	1	AU=MUSS PETER
E23	1	AU=MUSS TIMOTHY MICHAEL
E24	1	AU=MUSSACK CHRISTOPHER J
E25	5	AU=MUSSACK CHRISTOPHER JOSEPH

Enter PAGE for more

? e au=WHITE DARRIS

Ref	Items	Index-term
E1	2	AU=WHITE DANIEL P
E2	5	AU=WHITE DANIELA
E3	0	AU=WHITE DARRIS
E4	2	AU=WHITE DAVID
E5	8	AU=WHITE DAVID C
E6	1	AU=WHITE DAVID GLEN
E7	1	AU=WHITE DAVID JOHN
E8	1	AU=WHITE DAVID WILLIAM
E9	1	AU=WHITE DAWNE A
E10	1	AU=WHITE DENNIS
E11	2	AU=WHITE DONALD L
E12	1	AU=WHITE DWAIN MONTGOMERY
E13	1	AU=WHITE EAGLE BRIAN L
E14	1	AU=WHITE ELIZABETH W
E15	4	AU=WHITE FRANK P
E16	1	AU=WHITE FREDERICK B
E17	8	AU=WHITE GEOFFREY H
E18	4	AU=WHITE GREGORY ALAN
E19	1	AU=WHITE GREGORY L
E20	1	AU=WHITE GREGORY LEE
E21	1	AU=WHITE GREGORY R

E22 1 AU=WHITE HARRY F  
 E23 1 AU=WHITE IAN  
 E24 4 AU=WHITE IAN A  
 E25 3 AU=WHITE IAN ARTHUR  
 Enter PAGE for more

Set	Items	Description
S1	133575	S BLADE? ? OR IMPELLER? ? OR VANE? ? OR PROPELLER? ?
S2	10987	S S1 (4N)(MOVAB? OR SLID? OR GLID? OR SHIFT??? OR POSITION? ?)
S3	22110	S CHANG??? (2N)POSITION? ?
S4	5157	S S1 (4N)(POSITION? ?)
S5	135	S S3 AND S4
S6	13710	S (MASS?? OR WEIGHT? ? OR LOAD? ?) (4N)(MOVAB? OR SLID? OR GLID? OR SHIFT??? OR POSITION? ?)
S7	97	S (S2 OR S5) AND S6
S8	89	S S7 NOT PY>2004
S9	1	S S8 AND ACTUATOR? ?
S10	1	S S8 AND SERVO?
S11	0	S S8 AND TEST???
S12	1855815	S MONITOR? OR DETECT? OR ISOLAT? OR DETERMIN? OR MEASUR????? OR EVALUAT????? OR DIAGNOS????? OR ANALYZ????? OR ANALYS?????
S13	17	S S8 AND S12
S14	1410	S (MASS?? OR WEIGHT? ? OR LOAD? ?) (4N)S1
S15	233	S S12 AND S14
S16	215	S S15 NOT PY>2004
S17	103560	S ACTUATOR? ? OR SERVO???????
S18	12	S S16 AND S17
S19	355199	S AIRPLANE? ? OR AIRCRAFT? ? OR AIR (PLANE? ? OR CRAFT? ?) OR TURBINE? ? OR GENERATOR? ?
S20	355350	S AIRPLANE? ? OR AIRCRAFT? ? OR AIR ( ) (PLANE? ? OR CRAFT? ?) OR TURBINE? ? OR GENERATOR? ?
S21	56	S S16 AND S20
S22	21	S S16 AND (RESONAN????? OR VIBRAT????? OR RECIPROCAT?????)

[File 342] **Derwent Patents Citation Indx 1978-07/200808**  
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S1 14 S CT=US 3664179

S2 25 S CT=(EP 1096660 OR JP 2001128487 OR US 6441571 OR JP 7316527 OR US 5425276 OR US 5102879 OR US 4519053)

[File 347] **JAPIO Dec 1976-2007/Oct(Updated 080129)**

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*\*File 347: File Histories now available for ordering when searching via DialogLink 5 and Web products, see HELP FILEHIST for more information.*

[File 350] **Derwent WPIX 1963-2008/UD=200812**

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*\*File 350: Chinese Utility Model registrations in English now available To order File Histories, see HELP FILEHIST for details.*

S1 25 S1:S5 FROM 347,350

Set	Items	Description
S1	48	S1:S11 FROM 347, 350
S2	8	S S1 AND RESONAN?????
S3	40	S S1 NOT S2

[File 2] INSPEC 1898-2008/Jan W3

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[File 6] NTIS 1964-2008/Mar W1

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[File 8] Ei Compendex(R) 1884-2008/Feb W2

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[File 34] SciSearch(R) Cited Ref Sci 1990-2008/Feb W4

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[File 35] Dissertation Abs Online 1861-2007/Oct

(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 56] Computer and Information Systems Abstracts 1966-2008/Jan

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[File 57] Electronics & Communications Abstracts 1966-2008/Jan

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[File 60] ANTE: Abstracts in New Tech & Engineer 1966-2008/Feb

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[File 65] Inside Conferences 1993-2008/Feb 22

(c) 2008 BLDSC all rts. reserv. All rights reserved.

[File 68] Solid State & Superconductivity Abstracts 1966-2008/Feb

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[File 95] TEME-Technology & Management 1989-2008/Feb W2

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[File 99] Wilson Appl. Sci & Tech Abs 1983-2008/Jan

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[File 103] Energy SciTec 1974-2007/Nov B2

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[File 144] Pascal 1973-2008/Feb W3

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[File 239] Mathsci 1940-2008/Feb

(c) 2008 American Mathematical Society. All rights reserved.

[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec

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[File 23] CSA Technology Research Database 1963-2008/Jan

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Set	Items	Description
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S1 14 AU='MUSIAL, WALT D':AU='MUSIAL, WALTER D. (ED.)' FROM  
 2, 6, 8, 34, 35, 56, 57, 60, 65, 68, 95, 99, 103, 144, 239, 434, 23  
 S2 7 AU='MUSIAL W P':AU='MUSIAL WALT D' FROM 2, 6, 8, 34,  
 35, 56, 57, 60, 65, 68, 95, 99, 103, 144, 239, 434, 23  
 S3 203 AU='MUSIAL W':AU='MUSIAL WD' FROM 2, 6, 8, 34, 35, 56,  
 57, 60, 65, 68, 95, 99, 103, 144, 239, 434, 23  
 S4 352 AU='MUSIAL, W':AU='MUSIAL, W.P.' FROM 2, 6, 8, 34, 35,  
 56, 57, 60, 65, 68, 95, 99, 103, 144, 239, 434, 23  
 S5 32 AU='WHITE, DARRIS':AU='WHITE, DARRIS L.' FROM 2, 6, 8,  
 34, 35, 56, 57, 60, 65, 68, 95, 99, 103, 144, 239, 434, 23  
 S6 1 AU='WHITE DARRIS L' FROM 2, 6, 8, 34, 35, 56, 57, 60,  
 65, 68, 95, 99, 103, 144, 239, 434, 23  
 S7 1835 AU='WHITE D' FROM 2, 6, 8, 34, 35, 56, 57, 60, 65, 68,  
 95, 99, 103, 144, 239, 434, 23  
 S8 394 AU='WHITE, D' FROM 2, 6, 8, 34, 35, 56, 57, 60, 65, 68,  
 95, 99, 103, 144, 239, 434, 23  
 S9 2592 S S1:S8  
 S10 112 S S9 AND RESONAN????  
 S11 74 RD (unique items)  
 S12 60 S S11 NOT PY>2002  
 S13 1 S S12 AND (PROPELLER? ? OR IMPELLER? ? OR BLADE? ?)  
 S14 21 S S12 NOT NUCLEAR

Set	Items	Description
S1	490800	S BLADE? ? OR IMPELLER? ? OR VANE? ? OR PROPELLER? ? OR ROTOR? ?
S2	24321	S (MASS?? OR WEIGHT? ? OR LOAD? ?) (5N) S1
S3	223592	S (CHANG?? OR ALTER?? OR SWITCH?? OR TRANSFER?? OR VARY?? OR MODIFY?? OR REARRANG?? OR ARRANG??) (4N) (POSITION? ? OR LOCATION? ? OR AREA? ? OR ORIENTAT?? OR PLACEMENT? ?)
S4	175	S S2 AND S3
S5	105	RD (unique items)
S6	1924880	S AIRPLANE? ? OR AIRCRAFT? ? OR AIR (PLANE? ? OR CRAFT? ?) OR TURBINE? ? OR GENERATOR? ?
S7	8034	S WINDMILL? ? OR WIND ( ) MILL? ?
S8	1928365	S S6:S7
S9	49	S S8 AND S5
S10	1043	S AIR ( ) (PLANE? ? OR CRAFT? ?)
S11	0	S S5 AND S10
S12	42	S S9 NOT PY>2004
S13	85266	S S1 (5N) (MONITOR? OR DETECT? OR ISOLAT? OR DETERMIN? OR MEASUR???? OR EVALUAT???? OR DIAGNOS???? OR ANALYZ???? OR ANALYS????)
S14	126529	S (MASS?? OR WEIGHT? ? OR LOAD? ?) (5N) (MOVAB????? OR SLID????? OR GLID????? OR SHIFT????? OR TRANSPORT????? OR DISPLAC????? OR SUPPLANT?????)
S15	61	S S2 AND S13 AND S14
S16	45	RD (unique items)
S17	45	S S16 NOT S12
S18	40	S S17 NOT PY>2004
S19	3788	S LINEAR ( ) DISPLACEMENT? ?
S20	1	S S2 AND S19

Set	Items	Description
S1	141035	S (MASS?? OR WEIGHT? ? OR LOAD? ?) (3N) DYNAMIC????

S2 490800 S BLADE? ? OR IMPELLER? ? OR VANE? ? OR PROPELLER? ? OR  
 ROTOR? ?  
 S3 24321 S (MASS?? OR WEIGHT? ? OR LOAD? ?) (5N)S2  
 S4 2786 S S1 AND S3  
 S5 843 S S4 AND (RESONAN????? OR VIBRAT????? OR  
 RECIPROCAT?????)  
 S6 1925359 S AIRPLANE? ? OR AIRCRAFT? ? OR AIR () (PLANE? ? OR  
 CRAFT? ?) OR TURBINE? ? OR GENERATOR? ?  
 S7 38032854 S MONITOR? OR DETECT? OR ISOLAT? OR DETERMIN? OR  
 MEASUR????? OR EVALUAT????? OR DIAGNOS????? OR ANALYZ????? OR ANALYS?????  
 S8 404 S S6 AND S7 AND S5  
 S9 326 RD (unique items)  
 S10 0 S S5 AND (LINEAR () DISPLACEMENT? ?)  
 S11 104 S S5 AND RESONANC????  
 S12 81 RD (unique items)



FEB 20

251874

# EIC 2800

## FAST & FOCUSED SEARCH

Today's Date 2/20/08

This search cannot be started unless you:

- A. Attach a copy of your EAST/WEST strategy.  
B. Conduct an interview with your searcher.

Name ANTHONY GUERREAU/Org. 2857 Employee # 78704Bld.&Rm.# JEFF 6919 Phone 2-2215

Priority App. Filing Date \_\_\_\_\_

Case/App. # 10520011**Format for Search Results**EMAIL ☒ PAPER ☒If this is an Appeals case, check here ☐

Describe this invention in your own words A TESTING MACHINE FOR A PROPELLER BLADE (FOR  
EXAMPLE) THAT USES A MOUNTED MASS UNDER CONTROL TO MOVE  
THE MASS CLOSER & FURTHER ALONG AN AXIS PERPENDICULAR TO THE BLADE.  
AND A HYDRAULIC ACTUATOR THAT MOVES THE BLADE BACK & FORTH IN  
A BLADE HORIZONTAL AXIS ALL AT THE BLADE'S RESONANT FREQUENCY TO

Synonyms BLADE, IMPACT, PROPELLER, WING,  
RESONANT, VIBRATION, RECIPROCATING STUDY STRAIN & STRESS

**Additional Comments**

Seems LIKE DISCLOSED ART TEACHES MANY FEATURES, <sup>BUT</sup> INVENTIVE  
ASPECT IS APPARENTLY:

- MOVABLE MASS HORIZONTAL TO BLADE INSTEAD OF ~~ROT~~ ROTATING ECCENTRIC MASS  
(RADICAL OR OF RELATED  
REPUB)

- ABILITY TO CONTROL BOTH MASS MOVEMENT <sup>ALONG</sup> ~~ALONG~~ ONE AXIS WITH  
HYDRAULIC ACTUATOR ALONG PERPENDICULAR AXIS (BOTH AXIS STILL PERPENDICULAR)  
TO BLADE LENGTH AXIS) SIMULTANEOUSLY THROUGH CONTROLLER AT RESONANT <sup>FREQUENCY</sup>

Please hand deliver completed form to your TIS.

**STIC USE ONLY**

Searcher \_\_\_\_\_

Date Completed \_\_\_\_\_

Phone \_\_\_\_\_ Sources \_\_\_\_\_



6293550/19

Fulltext available through: [Order File History](#)

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06293550 \*\*Image available\*\*

**FISHING WEIGHT HAVING BUOYANCY BY RESISTANCE OF WATER****Pub. No.:** 11-235142 [JP 11235142 A ]**Published:** August 31, 1999 (19990831)**Inventor:** SHOJI HIDEO**Applicant:** SHOJI HIDEO**Application No.:** 10-087876 [JP 9887876]**Filed:** February 24, 1998 (19980224)**International Class:** A01K-095/00**ABSTRACT**

**PROBLEM TO BE SOLVED:** To solve such problem that a heavy weight is caught by the sea bottom or hooked to obstacles to lose a tackle because conventionally the heavy fishing weight has been used in order to cast the bait or the lure distantly.

**SOLUTION:** The fishing weight is equipped with blades 2 on its upper part or flat projections are formed on the upper part or on the top edge of the weight so that the angle between the direction of the flat projections, when the weight is operated, to the horizontal line may exceed 0° but is less than 90°. Thus, when it is pulled, the weight receives the resistance of water so that it is floated up to reduce its hooking to rocks, seaweeds and the like. Even when a heavy weight is used, the lure or bait can be easily operated in the middle layer and the surface layer whereby the terminal tackle can be slowly sunk. In addition, the gravity center of the weight is shifted to the reverse direction to the direction to which the weight is pulled or the position of the blades is allowed to move to the direction to which the weight is pulled whereby the force acts on the weight to that it may slide far away as a glider does distantly and the fish hit can be readily detected since the fishing line is not loosened even when wind blows strong and waves are high.

13/9/1 (Item 1 from file: 6)

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NTIS

2402516 NTIS Accession Number: PB2008-100959/XAB

**Resonance Test System**

Musial, W. ; White, D.

National Renewable Energy Lab., Golden, CO.

Corporate Source Codes: 102636000

Sponsor: Department of Energy, Washington, DC.

Report Number: PAT-APPL-10-520 011

Filed 3 Jul 02 13p

Language: English Document Type: Patent

Journal Announcement: USGRDR0801

Sponsored by Department of Energy, Washington, DC.

This Government-owned invention available for U.S. licensing and, possibly, for foreign licensing. Copy of patent available Commissioner of Patents, Washington, DC 20231.

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NTIS Prices: PC A03/MF A01

Country of Publication: United States

Contract Number: DE-AC36-99GO10337

An apparatus for applying at least one load to a specimen according to one embodiment of the invention may comprise a mass. An actuator mounted to the specimen and operatively associated with the mass moves the mass along a linear displacement path that is perpendicular to a longitudinal axis of the specimen. A control system operatively associated with the actuator operates the actuator to reciprocate the mass along the linear displacement path at a reciprocating frequency, the reciprocating frequency being about equal to a resonance frequency of the specimen in a test configuration.

**Descriptors:** \*Patent applications; \*Structural loads; \*Wind turbine blades; \* Resonance; Actuators; Test systems

**Identifiers:** \*Wind-powered generator systems; Linear displacement paths; Reciprocating frequencies; NTISGPDE

**Section Headings:** 46E (Physics--Structural Mechanics); 97O (Energy--Miscellaneous Energy Conversion and Storage); 90GE (Government Inventions For Licensing--General)